

539,688

Rec'd PCT/PTO 16 JUN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



10/539688



(43) International Publication Date  
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number  
WO 2005/038177 A1

(51) International Patent Classification<sup>7</sup>: E05B 65/46,  
E05C 19/02, A47B 88/04

(21) International Application Number:  
PCT/EP2004/052535

(22) International Filing Date: 14 October 2004 (14.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
RM2003U000171 15 October 2003 (15.10.2003) IT

(71) Applicant (for all designated States except US): ARTURO  
SALICE S.P.A. [IT/IT]; Via Provinciale Novedrate 10,  
I-22060 Novedrate (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SALICE, Luciano  
[IT/IT]; Via Ronco, 30, I-22060 Carimate (IT).

(74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi  
S.p.A., Corso di Porta Vittoria 9, I-20122 Milan (IT).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

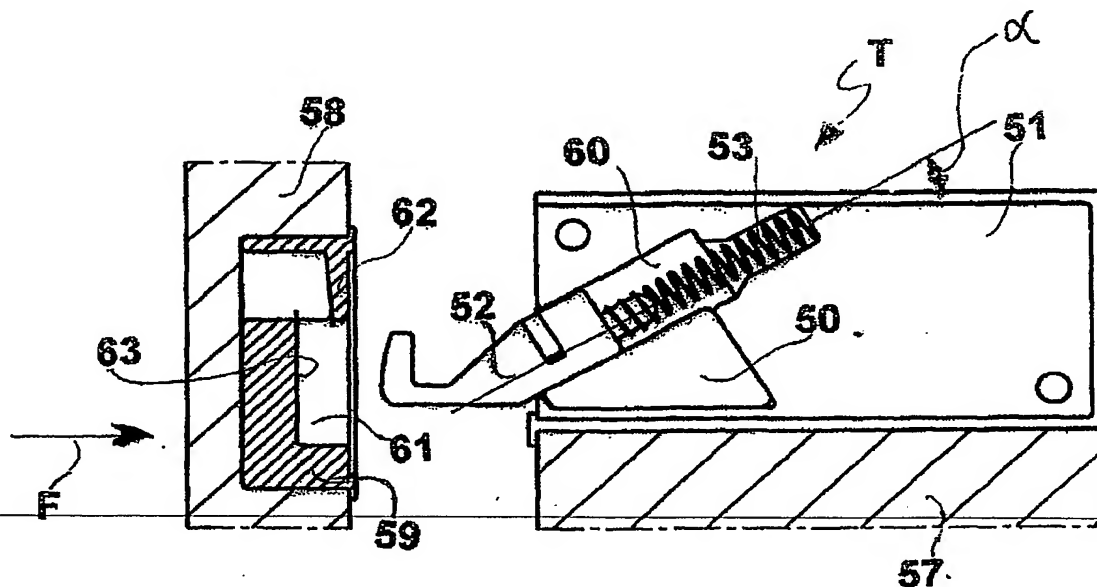
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

[Continued on next page]

(54) Title: OPENING AND CLOSING LATCH DEVICE FOR FURNITURE



(57) Abstract: Latch device composed of a container (51) in which there is a slider (52), inserted in a guide (60), controlled in translation by a spring (53) and comprising a hook (68) to catch a hooking element (59) placed on a door. A track (40), with the bottom defining the profile of a cam on one side of the guide (60), is travelled along by a ball (73) placed on the slider (52) and held pressed by a spring (72) against the bottom of the track (40) to determine the four open, closed, released and locked positions of the door according to the position of the ball in the track.

WO 2005/038177 A1